

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 97 (LITTLESTOWN PK) AND AIRPORT DRIVE/MAGNA WAY IN CARROLL COUNTY. MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 97 APPROACHES OPERATING CONCURRENTLY AND THE AIRPORT DRIVE/MAGNA WAY APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASES EXIST FOR BOTH MD 97 APPROACHES. A RIGHT-TURN OVERLAP FOR AIRPORT DRIVE WILL BE PROVIDED.

CONTROLLER REQUIREMENTS

EXISTING IN-PAVEMENT MOUNTED CONTROLLER AND CABINET WILL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.32-01 (INTERSECTION FLAGGING OPERATION)

STANDARD NO. MD-104.34 (LANE SHIFT)

STANDARD NO. MD-104.60 (MOBILE OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. ROBERT FISHER
DISTRICT ENGINEER
PHONE: (301) 621-8140

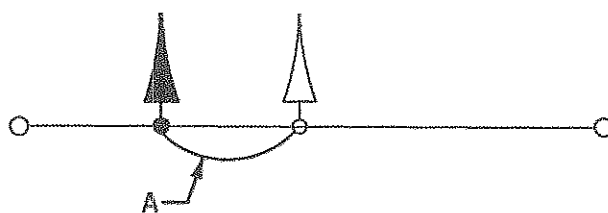
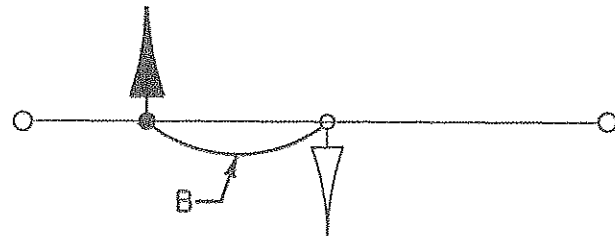
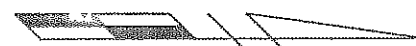
MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 621-8141

Mr. Dave Coyne
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 614-8106

MR. JIM BUCKALEW
ACTING DISTRICT UTILITIES ENGINEER
PHONE: (310) 729-8436

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM



WIRING KEY

A } 7-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9089	82 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
	- 1 EACH	ASSOCIATED SHIELD ASSEMBLY "SOUTH, MD 97, RIGHT ARROW (24 IN. X 51 IN.) - POLE MOUNT
	- 1 EACH	ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 97, RIGHT ARROW (24 IN. X 51 IN.) - POLE MOUNT
	- 1 EACH	ASSOCIATED SHIELD ASSEMBLY "SOUTH, MD 97, LEFT ARROW (36 IN. X 75 IN.) - POLE MOUNT
	- 1 EACH	ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 97, LEFT ARROW (36 IN. X 75 IN.) - POLE MOUNT
	- 1 EACH	R3-SL SIGN (30 IN. X 36 IN.) - SPAN MOUNT
	- 2 EACH	R3-SR SIGN (30 IN. X 36 IN.) - SPAN MOUNT
	- 2 EACH	R10-4(2) SIGN (9 IN. X 12 IN.) - POLE MOUNT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5006	2 EACH	HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING ARROW
5008	6 EACH	REMOVE EXISTING PAVEMENT MARKING LETTER OR ARROW
8010	190 L.F.	FURNISH AND INSTALL STEEL SPAN WIRE 1/4 IN. DIAMETER
8045	60 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
8053	82 SF.	INSTALL OVERHEAD SIGN
8084	7 EACH	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION - BLACK FACE
8085	3 EACH	FURNISH AND INSTALL 8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION - BLACK FACE

PHASE CHART

